## **BASIS FOR THE AMENDMENT**

Claims 23 and 24 have been rewritten in independent form.

New Claims 25 and 26 have been added as supported by the specification as originally filed.

No new matter is believed to have been added by entry of this amendment. Entry and favorable reconsideration are respectfully requested.

Upon entry of this amendment Claims 1-21, 23 and 24, 25 and 26 will now be active in this application. Claims 5-8 and 13-16 stand withdrawn from consideration.

## **REMARKS**

Applicants wish to thank Examiner Steele and Examiner Cole for the helpful discussion on July 15, 2008. It was discussed that the addition of acrylonitrile in <u>Toray</u> is detrimental to the hydrolysis resistance of the fibers of <u>Toray</u>. It was also discussed to rewrite Claims 23 and 24 in independent form.

Applicants respectfully request reconsideration of the application, as amended, in view of the following remarks.

The rejections of the claims over <u>Toray</u>, <u>Ohmory et al</u> and <u>Howard</u> and <u>Ueda</u> are respectfully traversed.

Claims 1 and 21 each claim polyvinyl alcohol fibers and <u>not</u> blends of various polymers that are spun into fibers as <u>Toray</u>. In Claims 23 and 24 this has been further clarified by claiming that the fibers <u>consist of</u> polyvinyl alcohol. In new Claims 25 and 26, fibers consist essentially of polyvinyl alcohol.

In contrast, in <u>Toray</u>, a blend of polyvinyl alcohol, polyacrylonitrile and acrylonitrile vinyl alcohol graft copolymer is dissolved in a solvent and spun and drawn to give fibers.

Thus, the claimed polyvinyl alcohol fibers of the present invention cannot be anticipated by the fibers containing a polymer blend as disclosed in <u>Toray</u>.

Moreover, <u>Toray</u> discloses the use of acrylonitrile which is detrimental to the hydrolysis resistance of the fibers of <u>Toray</u>.

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However, the claimed fibers of the present invention are hydrolysis resistant and hydrolysis as in the fibers of Toray does not occcur.

Further, acrylonitrile is excluded from the Claims 25 and 26 due to the phrase "consisting essentially of" and from Claims 23 and 24 due to the use of "consisting of".

Further, the examples in the specification show that excellent fibrillability, hydrophobicity, chemical resistance and wiping potency are obtained using the claimed fiber of the present invention. Table 1 below is copied from page 14 of the specification.

In support of the above argument Applicants provide JP 9059872 and a translation thereof (both filed by IDS). At page 7, paragraph [0049], Example 1, it is disclosed that acrylonitrile is hydrolyzed with sodium hydroxide. However, the Examples of the present invention show that the fibers of the present invention are resistant to sodium hydroxide. See Table 1 below "Chemical Resistance". The "dissolution" is measured after dipping in sodium hydroxide for 8 hours and is very small. (See page 10, lines 9-15 of the specification for the experimental procedure for determining the dissolution in sodium hydroxide).

Thus, the fibers of the present invention have a good hydrolysis resistance and are different from the fibers of <u>Toray</u>.

Table 1

	Cross-Sectional Profile	D (mm)	CVD	Fibrillability	Hydrophilicity	ity	Chemical Resistance	esistance	Wiping Potency	otency
				Microscopic Observation	Water-Absorbing Speed (mm/5 min)	Result	Dissolution (%)	Result	Residue after Wiping (%)	Result
Example 1	flattened	3	15	poog	124	good	<1	poog	4.0	poog
Example 2	flattened	3	21	poog	128	poog	<1	good	3.1	good
Example 3	flattened	3	25	poog	123	poog	<1	poog	5.0	poog
Comparative Example 1	flattened	3	4	not good	125	good	<1	good	14.8	not good
Comparative Example 2	cocoon-shaped		•	not good	111	poog	▽	good	15.1	not good
Comparative Example 3	rounding	ı	ı	poog	86	not good	19	not good	8.6	not good

As stated at page 15, 1st paragraph of the specification:

The PVA fibers of the present invention may be readily split into single fibers, when having received shear force applied thereto. They can be readily fibrillated without compromising the physical properties such as the chemical resistance, the hydrophilicity the weather resistance and the tenacity thereof. The fibrillated fibers may be formed into dry-process or wet-process nonwoven fabrics. In addition, the dry-process and wet-process nonwoven fabrics formed of the fibrillated fibers of the present invention are superior to those formed of conventional fibrillated fibers in point of the water absorbability and the wiping potency thereof. Further, when the fibrillated PVA fibers of the present invention are sheeted along with a cement slurry, then they may form wet-process slates. When the fibers of the present invention are kneaded with plastic or rubber, then they may form plastic or rubber products reinforced with the fibrillated PVA fibers.

The excellent properties of the claimed PVA fibers having the claimed dimensions is not disclosed or suggested in <u>Toray</u>, <u>Ohmory et al and Howard</u>.

Further, <u>Toray</u> is outside the field of endeavor of the present invention. The blend fibers of <u>Toray</u> are used as a paper substitute. See the abstract. Thus, a person of ordinary skill in the art would not look at <u>Toray</u> to develop flat polyvinyl alcohol fibers for non-woven fabrics as in the present invention. See page 2, lines 21-25 of the original specification.

Ohmory et al and Howard and Ueda do not cure the defects of Toray. Howard was only used to show the use of fillers. Ohmory et al and Howard and Ueda as well as Toray fail to disclose or suggest polyvinyl alcohol fibers having an extremely (thinly) flattened cross-sectional profile and having a mean thickness D (µm) that satisfies the following formula (1):

$$0.4 \le D \le 5 \tag{1},$$

wherein

D = S/L;

D indicates the mean thickness ( $\mu m$ ) of the fibers which is a mean length ( $\mu m$ ) of the minor side of the cross section of the fibers;

S indicates the cross-section area (µm²) of the fibers; and

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L indicates the length (µm) of the major side of the cross section of the fibers.

Therefore, the rejections of the claims over Toray, Ohmory et al and Howard and

<u>Ueda</u> are believed to be unsustainable as the present invention is neither anticipated nor

obvious and withdrawal of these rejections are respectfully requested.

The rejection of Claims 23 and 24 as failing to comply with the written description

requirement is traversed. Paragraph [0042] of the specification provides support for using

PVA resin without being copolymerized with other compounds. During the interview, the

Examiner agreed to withdraw this rejection.

This application presents allowable subject matter, and the Examiner is kindly

requested to pass it to issue. Should the Examiner have any questions regarding the claims or

otherwise wish to discuss this case, he is kindly invited to contact Applicants' below-signed

representative, who would be happy to provide any assistance deemed necessary in speeding

this application to allowance.

Respectfully submitted,

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